

**Flood Control Project Maintenance
Levee Inspections**

Fall 2018 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0556	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 0556 Upper Andrus	U	11.20						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	12.41	5.24	33.37	297.93%	0.72	0.85		
Trim / Thin Trees	3.55		3.55	31.70%				
Encroachments	0.03		0.03	0.27%	0.23	0.09		
Animal Control	3.32	0.13	3.84	34.28%				
Slope Stability		0.01	0.04	0.36%				
Erosion / Bank Caving	0.02		0.02	0.18%				
Repair Gates		0.01	0.04	0.36%				
Emergency Supplies & Equipment	0.11		0.11	0.98%				
Flood Preparedness & Training	0.11		0.11	0.98%				
<i>Supplemental</i>								
2017 USACE Erosion Survey, DRAFT	1.85		1.85	16.52%				
DWR UCIP Field Study					0.23	0.01		
<i>LMA Totals:</i>	21.40	5.39	42.96	383.56%	1.18	0.95	0.00	0.00

Unit No. 01 Georgiana Slough RB	Overall Unit Rating	Total Unit Miles						
RD0556	U	5.48						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	3.95	4.64	22.51	410.59%	0.12	0.27		
Trim / Thin Trees	1.71		1.71	31.19%				
Encroachments					0.01	0.07		
Animal Control	3.32	0.12	3.80	69.31%				
Slope Stability		0.01	0.04	0.73%				
Erosion / Bank Caving	0.02		0.02	0.37%				
Repair Gates		0.01	0.04	0.73%				
<i>Supplemental</i>								
2017 USACE Erosion Survey, DRAFT	1.19		1.19	21.71%				
DWR UCIP Field Study					0.12			
<i>Unit Totals:</i>	10.19	4.78	29.31	534.62%	0.25	0.34	0.00	0.00

Unit No. 02 Sacramento River LB	Overall Unit Rating	Total Unit Miles						
RD0556	U	5.72						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	8.46	0.60	10.86	189.92%	0.60	0.58		
Trim / Thin Trees	1.84		1.84	32.18%				
Encroachments	0.03		0.03	0.53%	0.22	0.02		
Animal Control		0.01	0.04	0.70%				
<i>Supplemental</i>								
2017 USACE Erosion Survey, DRAFT	0.66		0.66	11.54%				
DWR UCIP Field Study					0.11	0.01		
<i>Unit Totals:</i>	10.99	0.61	13.43	234.87%	0.93	0.61	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Fall 2018 Levee Inspection Results****Reclamation District No. 0556 Upper Andrus**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2018 Levee Inspection Results

Reclamation District No. 0556 Upper Andrus

Waterway			Bank	Unit Miles
Unit No. 01 Georgiana Slough			Right	5.48
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/5/2018 - 4/5/2018		10/5/2018 - 10/5/2018	
DWR Inspector	Keith Millard		David Julian	
Accompanied By	Alan Silva RD 556		Alan Silva RD 556	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start		Rating **	M	Issue No.	3
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0556_01_f_2014_3				
Comment Code					
Inspector Comment					
The members in the district have not been flood fight trained recently according to the district manager.					

No Photos

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0556_01_s_2012_6				
Comment Code					
Inspector Comment					
Sent electronic copy of O+M manual to LMA.					

No Photos

LM Start		Rating **	M	Issue No.	8
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0556_01_f_2014_8				
Comment Code					
Inspector Comment					
According to the district manager, when they need supplies they will order them, there are no supplies stored.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	0.08	Rating **	U	Issue No.	21
LM End	0.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.238037°	38.231927°
				-121.518067°	-121.522215°
DWR ID	DWR_RD0556_01_s_2017_21				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Control the wild growth and trim the trees so the slope can be seen.					

Photo 1 of 1 : FA_2018_RD0556_18_21_20180925_00003.jpg



Looking downstream from levee mile 0.09 woody tree growth and wild weeds covering the levee slope and shoulder landside levee section.

LM Start	0.16	Rating **	M	Issue No.	68
LM End	1.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.236835 °	38.227350 °
				-121.518013 °	-121.529040 °
DWR ID	DWR_RD0556_01_f_2018_68				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove vegetation on water side slope.					

No Photos

LM Start	0.39	Rating **	M	Issue No.	36
LM End	0.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.234038 °	38.231879 °
				-121.519817 °	-121.522003 °
DWR ID	DWR_RD0556_01_f_2018_36				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 11.8 R					
Status: Eroding New					
2017 Field Notes: Tree popout popouts eminent , significant toe erosion and whole bank failure in sections					
Site History:					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	0.44	Rating **	M	Issue No.	387
LM End	0.44	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.233537°	38.233537°
				-121.520483°	-121.520483°
DWR ID	20820				
Comment Code					
Inspector Comment					
FS_ID:45564 DS_ID:20820 EP_NO: 3448 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Dense vegetation inhibited visibility of gasline marker on WS. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 4.5-inch steel natural gas pipeline through the levee, 4 feet below the crown. Location marker on the waterside (WS) shoulder. Cut in pavement visible at the crossing. Gas line marker on the landside (LS) and on the opposite bank at Reclamation District No. 263 (RD0263). Pipe not located in February 1991. (Plans for construction of a 4.5-inch gas line across Georgiana Slough from Andrus Island to Tyler Island authorized under Permit No. 3448, 1960 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log]. FS Date: 5/27/2015					

LM Start	0.44	Rating **	M	Issue No.	387 (cont)
LM End	0.44	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_45564_74151.jpg



Gasline marker present on LS.

Photo 2 of 3 : UCIP_FA_2018_45564_74146.jpg



View of WS; cut in pavement in alignment with arrow and Olivia indicating location of crossing trench.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	0.44	Rating **	M	Issue No.	387 (cont)	
LM End	0.44	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.233537 °	38.233537 °	
				-121.520483 °	-121.520483 °	
DWR ID	20820					
Comment Code						
Inspector Comment						
FS_ID:45564 DS_ID:20820 EP_NO: 3448 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Dense vegetation inhibited visibility of gasline marker on WS. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 4.5-inch steel natural gas pipeline through the levee, 4 feet below the crown. Location marker on the waterside (WS) shoulder. Cut in pavement visible at the crossing. Gas line marker on the landside (LS) and on the opposite bank at Reclamation District No. 263 (RD0263). Pipe not located in February 1991. (Plans for construction of a 4.5-inch gas line across Georgiana Slough from Andrus Island to Tyler Island authorized under Permit No. 3448, 1960 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log]. FS Date: 5/27/2015						

Photo 3 of 3 : UCIP_FA_2018_45564_74152.jpg



View of WS. Dense vegetation limited visibility of 'No Trespassing' sign.

LM Start	0.53	Rating **	M	Issue No.	388	
LM End	0.53	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.232450 °		38.232450 °
				-121.521624 °		-121.521624 °
DWR ID	20821					
Comment Code						
Inspector Comment						
FS_ID:45663						
DS_ID:20821						
EP_NO: 5548						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Dense vegetation prevents inspection of WS slope.						
FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 5 feet below the crown. 1.25-inch electrical conduit through the levee at the same location. Pump on the waterside (WS). Concrete steps on the landside (LS) slope. Cuts in pavement visible at the crossing. (Plans to install a pump with a 12-inch discharge pipe and one electrical conduit through the levee authorized under Permit No. 5548, 1966 - George K. Adams). [Additional Reference(s): DWR Levee Log].						
FS Date: 5/13/2015						

Photo 1 of 3 : UCIP_FA_2018_45663_74180.jpg



Concrete steps on LS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	0.53	Rating **	M	Issue No.	388 (cont)	
LM End	0.53	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.232450 °	38.232450 °	
				-121.521624 °	-121.521624 °	
DWR ID	20821					
Comment Code						
Inspector Comment						
FS_ID:45663 DS_ID:20821 EP_NO: 5548 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation prevents inspection of WS slope. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 5 feet below the crown. 1.25-inch electrical conduit through the levee at the same location. Pump on the waterside (WS). Concrete steps on the landside (LS) slope. Cuts in pavement visible at the crossing. (Plans to install a pump with a 12-inch discharge pipe and one electrical conduit through the levee authorized under Permit No. 5548, 1966 - George K. Adams). [Additional Reference(s): DWR Levee Log]. FS Date: 5/13/2015						

LM Start	0.53	Rating **	M	Issue No.	388 (cont)
LM End	0.53	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_45663_74181.jpg



View of WS with cuts visible on pavement.

Photo 3 of 3 : UCIP_FA_2018_45663_74182.jpg



Pump and pipe into levee off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	0.54	Rating **	M	Issue No.	389	
LM End	0.54	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.232354 °		38.232354 °
				-121.521727 °		-121.521727 °
DWR ID	20826					
Comment Code						
Inspector Comment						
FS_ID:45664 DS_ID:20826 EP_NO: 5548A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation prevented inspection of WS slope. FIELD_STRUCT_DESC: 14-inch steel irrigation discharge pipe through the levee, 5 feet below the crown. Pump on the waterside (WS). Electrical conduit through the levee at the same location. Pole with electrical panel at the landside (LS) toe. Standpipe at the LS toe. (Plans to install a 7-gauge, 14-inch pipe through the levee authorized under Permit No. 5548-A, 1981 - Kaydix Company). [Additional Reference(s): DWR Levee Log]. FS Date: 5/27/2015						

Photo 1 of 3 : UCIP_FA_2018_45664_74190.jpg



View of LS with standpipe visible behind tree.

LM Start	0.54	Rating **	M	Issue No.	389 (cont)
LM End	0.54	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_45664_74191.jpg



View of WS with cuts visible on pavement.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	0.54	Rating **	M	Issue No.	389 (cont)	
LM End	0.54	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.232354 °	38.232354 °	
				-121.521727 °	-121.521727 °	
DWR ID	20826					
Comment Code						
Inspector Comment						
FS_ID:45664 DS_ID:20826 EP_NO: 5548A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation prevented inspection of WS slope. FIELD_STRUCT_DESC: 14-inch steel irrigation discharge pipe through the levee, 5 feet below the crown. Pump on the waterside (WS). Electrical conduit through the levee at the same location. Pole with electrical panel at the landside (LS) toe. Standpipe at the LS toe. (Plans to install a 7-gauge, 14-inch pipe through the levee authorized under Permit No. 5548-A, 1981 - Kaydix Company). [Additional Reference(s): DWR Levee Log]. FS Date: 5/27/2015						

Photo 3 of 3 : UCIP_FA_2018_45664_74192.jpg



Standpipe and service pole visible off LS toe.

LM Start	0.56	Rating **	M	Issue No.	52
LM End	0.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.232132 °	38.232132 °
				-121.521955 °	-121.521955 °
DWR ID	DWR_RD0556_01_f_2018_52				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Poison oak.					

Photo 1 of 1 : FA_2018_RD0556_18_52_20181009_00066.jpg



View of poison oak at the top of the water land side slope (October 2018).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	0.80	Rating **	M	Issue No.	12
LM End	3.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.229459 °	38.208959 °
				-121.524805 °	-121.541368 °
DWR ID	DWR_RD0556_01_s_2012_12				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Exterminate rodents and backfill and compact burrows.					

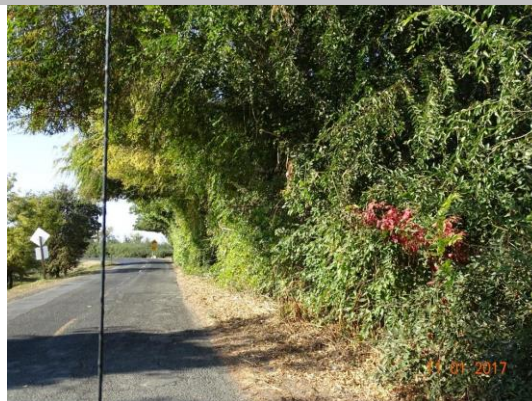
No Photos

LM Start	0.81	Rating **	M	Issue No.	57
LM End	0.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.229362 °	38.229047 °
				-121.524937 °	-121.525422 °
DWR ID	DWR_RD0556_01_f_2018_57				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove vegetation from land side slope.					

No Photos

LM Start	0.87	Rating **	U	Issue No.	24
LM End	0.92	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.228820 °	38.228480 °
				-121.525853 °	-121.526470 °
DWR ID	DWR_RD0556_01_f_2017_24				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0556_18_24_20180925_00006.jpg



Trim/thin landscaping to allow inspection and access to levee slope and toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	1.17	Rating **	M	Issue No.	390
LM End	1.17	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.227534 °	38.227534 °	
			-121.529396 °	-121.529396 °	
DWR ID	25106				

Comment Code

Inspector Comment

FS_ID:46799
DS_ID:25106
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Possible erosion above pipe on LS needs attention.
FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, at an unknown depth. Visible on the landside (LS), 6 feet away from the 10-inch pipe at HLM 1.17. Post likely for protection of vent located on the shoulder. Power pole next to pipe on the LS. This crossing was field discovered.
FS Date: 5/27/2015

LM Start	1.17	Rating **	M	Issue No.	390 (cont)
LM End	1.17	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_46799_74739.jpg



LS view: 8-inch pipe off LS slope with possible erosion above pipe (circled).

Photo 2 of 3 : UCIP_FA_2018_46799_74740.jpg



LS view: Post located above pipe on LS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

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Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	1.17	Rating **	M	Issue No.	390 (cont)	
LM End	1.17	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.227534 °	38.227534 °	
				-121.529396 °	-121.529396 °	
DWR ID	25106					
Comment Code						
Inspector Comment						
FS_ID:46799						
DS_ID:25106						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Possible erosion above pipe on LS needs attention.						
FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee,						
at an unknown depth. Visible on the landside (LS), 6 feet away from the						
10-inch pipe at HLM 1.17. Post likely for protection of vent located on						
the shoulder. Power pole next to pipe on the LS. This crossing was field						
discovered.						
FS Date: 5/27/2015						

Photo 3 of 3 : UCIP_FA_2018_46799_74741.jpg



Electric pole next to pipe on LS.

LM Start	1.17	Rating **	M	Issue No.	391	
LM End	1.17	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.227568 °	38.227568 °	
				-121.529489 °	-121.529489 °	
DWR ID	20823					
Comment Code						
Inspector Comment						
FS_ID:45683 DS_ID:20823 EP_NO: 11169 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned in place and if so should be done so properly. Desnse vegetation on WS limits visibility. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation discharge pipe through the levee, 3.8 feet below the crown. Located at the lower end of the rock revetment. (Plans to replace an existing 10-inch suction pipe with a 10-inch slant propeller pump on the levee authorized under Permit No. 4848, 1965 - Kay Dix Ranch Company. Retention of a 10-inch pipe through the levee, 3.8 feet below the crown, authorized under Automatic Board Order (ABO) issued as Permit No. 11169, 1975 - Darrell T. and B. M. Mealer). Abandoned in place. [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""R"" 548+59.8), invert elevation 16.8 feet]. FS Date: 5/27/2015						

Photo 1 of 3 : UCIP_FA_2018_45683_74200.jpg



LS view of pipe appearing abandoned in place.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	1.17	Rating **	M	Issue No.	391 (cont)	
LM End	1.17	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.227568 °	38.227568 °	
				-121.529489 °	-121.529489 °	
DWR ID	20823					
Comment Code						
Inspector Comment						
FS_ID:45683 DS_ID:20823 EP_NO: 11169 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned in place and if so should be done so properly. Desnse vegetation on WS limits visibility. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation discharge pipe through the levee, 3.8 feet below the crown. Located at the lower end of the rock revetment. (Plans to replace an existing 10-inch suction pipe with a 10-inch slant propeller pump on the levee authorized under Permit No. 4848, 1965 - Kay Dix Ranch Company. Retention of a 10-inch pipe through the levee, 3.8 feet below the crown, authorized under Automatic Board Order (ABO) issued as Permit No. 11169, 1975 - Darrell T. and B. M. Mealer). Abandoned in place. [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""R"" 548+59.8), invert elevation 16.8 feet]. FS Date: 5/27/2015						

Photo 2 of 3 : UCIP_FA_2018_45683_74201.jpg



Closeup of abandoned pipe.

LM Start	1.17	Rating **	M	Issue No.	391 (cont)
LM End	1.17	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2018_45683_74202.jpg



View up LS slope. 10" pipe (not visible) rests next to (visible) 8" pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	1.20	Rating **	M	Issue No.	20
LM End	1.53	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.227615 °	38.225374 °
				-121.529894 °	-121.534406 °
DWR ID	DWR_RD0556_01_f_2018_20				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 10.9 R					
Status: Eroding New					
2018 Field Notes: Significant toe erosion and whole bank failure in sections, large pockets from tree popouts.					
Site History:					

No Photos

LM Start	1.23	Rating **	M	Issue No.	66
LM End	1.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.227907°	38.227178°
				-121.530507°	-121.532778°
DWR ID	DWR_RD0556_01_f_2018_66				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove vegetation on water side slope					

No Photos

LM Start	1.33	Rating **	M	Issue No.	45
LM End	1.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.227651 °	38.227651 °
				-121.532159 °	-121.532159 °
DWR ID	DWR_RD0556_01_s_2018_45				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove cactus and trim trees.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	1.33	Rating **	M	Issue No.	392	
LM End	1.33	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.227622°	38.227622°	
				-121.532154°	-121.532154°	
DWR ID	20825					
Comment Code						
Inspector Comment						
FS_ID:45692 DS_ID:20825 EP_NO: 13302 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Seal beneath siphon breaker off LS toe leaking. Rodent activity near crown off LS shoulder. Need to contact owner about leaky seal. Dense vegetation prevented inspection of WS slope. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe and 2-inch galvanized iron electrical conduit through the levee, 2 feet below the crown. Siphon valve on the landside (LS) shoulder. Concrete stand and pump at the LS toe. Circuit box also at the LS toe. Cuts visible in pavement. 6-inch polyvinyl chloride (PVC) standpipe adjacent to the pipe off the LS toe. (Plans to install a 6-inch irrigation pipe and electrical conduit through the levee authorized under Permit No. 13302, 1981 - Kaydix Ranch). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""R"" 540+85), invert elevation 16.3 feet]. FS Date: 5/27/2015						

Photo 1 of 3 : UCIP_FA_2018_45692_74204.jpg



Pipe, standpipe, electrical box at LS toe. Pump house in bush behind electrical box.

LM Start	1.33	Rating **	M	Issue No.	392 (cont)
LM End	1.33	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_45692_74205.jpg



WS view and cuts visible on pavement.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	1.33	Rating **	M	Issue No.	392 (cont)	
LM End	1.33	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.227622°	38.227622°	
				-121.532154°	-121.532154°	
DWR ID	20825					
Comment Code						
Inspector Comment						
FS_ID:45692 DS_ID:20825 EP_NO: 13302 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Seal beneath siphon breaker off LS toe leaking. Rodent activity near crown off LS shoulder. Need to contact owner about leaky seal. Dense vegetation prevented inspection of WS slope. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe and 2-inch galvanized iron electrical conduit through the levee, 2 feet below the crown. Siphon valve on the landside (LS) shoulder. Concrete stand and pump at the LS toe. Circuit box also at the LS toe. Cuts visible in pavement. 6-inch polyvinyl chloride (PVC) standpipe adjacent to the pipe off the LS toe. (Plans to install a 6-inch irrigation pipe and electrical conduit through the levee authorized under Permit No. 13302, 1981 - Kaydix Ranch). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""R"" 540+85), invert elevation 16.3 feet]. FS Date: 5/27/2015						

Photo 3 of 3 : UCIP_FA_2018_45692_74206.jpg



Closeup of pipe at LS toe. Seal beneath siphon breaker leaking.

LM Start	1.33	Rating **	C	Issue No.	10
LM End	1.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.227598 °	38.225368 °
				-121.532245 °	-121.534677 °
DWR ID	DWR_RD0556_01_f_2015_10				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Thin out and remove the wild tree growth and vegetation on the landside levee slope and shoulder.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0556 Upper Andrus

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	1.43	Rating **	M	Issue No.	58
LM End	1.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.226647 °	38.224950 °
				-121.533405 °	-121.535065 °
DWR ID	DWR_RD0556_01_f_2018_58				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove vegetation on land side slope.					

No Photos

LM Start	1.43	Rating **	M	Issue No.	40
LM End	1.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.226537°	38.226537°
				-121.533512°	-121.533512°
DWR ID	DWR_RD0556_01_f_2012_40				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion covered by vegetation.					

Photo 1 of 1 : FA_2018_RD0556_18_40_20181009_00067.jpg



View of erosion that is covered by vegetation on the land side slope (October 2018).

LM Start	1.48	Rating **	M	Issue No.	46
LM End	3.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.225953°	38.210659°
				-121.533973°	-121.539176°
DWR ID	DWR_RD0556_01_s_2018_46				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	1.50	Rating **	M	Issue No.	22
LM End	1.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.225840 °	38.225840 °
				-121.534157 °	-121.534150 °
DWR ID	DWR_RD0556_01_s_2012_22				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Dip at the top of the land side slope that is greater than 3".					

Photo 1 of 1 : FA_2018_RD0556_18_22_20181009_00068.jpg



View of dip at the top of the land side slope (October 2018).

LM Start	1.55	Rating **	A/W	Issue No.	9
LM End	1.57	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.225191 °	38.224976 °
				-121.534799 °	-121.535043 °
DWR ID	DWR_RD0556_01_s_2012_9				
Comment Code					
TR : Tree or limb					
Inspector Comment					
These cut up tree sections remain on the waterward slope to prevent parking in the area.					

Photo 1 of 1 : FA_2018_RD0556_18_9_20180925_00001.jpg



Cut tree sections on the waterside levee shoulder remain to prevent parking.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	1.57	Rating **	M	Issue No.	393
LM End	1.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.225001 °	38.225001 °
				-121.535007 °	-121.535007 °
DWR ID	20827				
Comment Code					
Inspector Comment					
FS_ID:45743 DS_ID:20827 EP_NO: 11169 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation on LS and WS limited accessibility. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, 3.5 feet below the crown. 1-inch air valve. Pump and gate valve on the waterside (WS) berm. 2-inch electrical conduit through the levee. 36-inch concrete standpipe and concrete block step on the landside (LS) slope. (Retention of a 10-inch pipe through the levee, 3.5 feet below the crown, and a pump and a gate valve on the WS berm authorized under Automatic Board Order (ABO) issued as Permit No. 11169, 1975 - Darrell T. and B. M. Mealer). [Additional Reference(s): DWR Levee Log, 10-inch pipe referenced. USACE Sacramento O&M Manual 103, June 1954, (Station ""R"" 528+02.1), 10-inch pipe referenced, invert elevation 16.6 feet]. FS Date: 5/27/2015					

LM Start	1.57	Rating **	M	Issue No.	393 (cont)
LM End	1.57	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_45743_74240.jpg



Concrete standpipe and steps off LS toe.

Photo 2 of 3 : UCIP_FA_2018_45743_74241.jpg



Service pole next to standpipe off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	1.57	Rating **	M	Issue No.	393 (cont)	
LM End	1.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.225001 °	38.225001 °	
				-121.535007 °	-121.535007 °	
DWR ID	20827					
Comment Code						
Inspector Comment						
FS_ID:45743 DS_ID:20827 EP_NO: 11169 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation on LS and WS limited accessibility. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, 3.5 feet below the crown. 1-inch air valve. Pump and gate valve on the waterside (WS) berm. 2-inch electrical conduit through the levee. 36-inch concrete standpipe and concrete block step on the landside (LS) slope. (Retention of a 10-inch pipe through the levee, 3.5 feet below the crown, and a pump and a gate valve on the WS berm authorized under Automatic Board Order (ABO) issued as Permit No. 11169, 1975 - Darrell T. and B. M. Mealer). [Additional Reference(s): DWR Levee Log, 10-inch pipe referenced. USACE Sacramento O&M Manual 103, June 1954, (Station ""R"" 528+02.1), 10-inch pipe referenced, invert elevation 16.6 feet]. FS Date: 5/27/2015						

Photo 3 of 3 : UCIP_FA_2018_45743_74242.jpg



Slant pump and pipe with 2" electrical conduit into WS slope.

LM Start	1.57	Rating **	M	Issue No.	386
LM End	1.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.224995 °	38.224623 °
				-121.535094 °	-121.536320 °
DWR ID	DWR_RD0556_01_f_2013_386				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0556_18_386_20180925_00032.jpg



Remove the wild growth and trim trees from the landside levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	1.65	Rating **	M	Issue No.	17
LM End	1.70	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.224623 °	38.224408 °
				-121.536320 °	-121.537180 °
DWR ID	DWR_RD0556_01_s_2012_17				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Maintain the landscaping on the landside slope and shoulder.					

No Photos

LM Start	1.70	Rating **	U	Issue No.	65
LM End	1.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.224272 °	38.223592 °
				-121.537250 °	-121.542242 °
DWR ID	DWR_RD0556_01_f_2018_65				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove willows 20' from crown.					

No Photos

LM Start	1.72	Rating **	M	Issue No.	60
LM End	2.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.224292 °	38.219385 °
				-121.537653 °	-121.543902 °
DWR ID	DWR_RD0556_01_f_2018_60				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove vegetation from land side slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	1.79	Rating **	M	Issue No.	394	
LM End	1.79	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.223999 °	38.223999 °	
				-121.538735 °	-121.538735 °	
DWR ID	20828					
Comment Code						
Inspector Comment						
FS_ID:45746						
DS_ID:20828						
EP_NO: 3735						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Dense vegetation on LS and WS limited accessibility.						
FIELD_STRUCT_DESC: 4-inch electrical conduit of an unknown material under Georgiana Slough and through its levees, 4 feet below the crown. Pump on the waterside (WS) berm. Power pole on the landside (LS) in alignment with the cuts in the pavement. (Plans for installation of a 12-kilovolt submarine cable under Georgiana Slough and through its levees authorized under Permit No. 3735, 1961 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log].						
FS Date: 5/27/2015						

Photo 1 of 3 : UCIP_FA_2018_45746_74250.jpg



View of WS and cuts in pavement.

LM Start	1.79	Rating **	M	Issue No.	394 (cont)
LM End	1.79	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_45746_74251.jpg



Cuts in pavement in alignment with electric pole off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	1.79	Rating **	M	Issue No.	394 (cont)	
LM End	1.79	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.223999 °		38.223999 °
				-121.538735 °		-121.538735 °
DWR ID	20828					
Comment Code						
Inspector Comment						
FS_ID:45746 DS_ID:20828 EP_NO: 3735 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Dense vegetation on LS and WS limited accessibility. FIELD_STRUCT_DESC: 4-inch electrical conduit of an unknown material under Georgiana Slough and through its levees, 4 feet below the crown. Pump on the waterside (WS) berm. Power pole on the landside (LS) in alignment with the cuts in the pavement. (Plans for installation of a 12-kilovolt submarine cable under Georgiana Slough and through its levees authorized under Permit No. 3735, 1961 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log]. FS Date: 5/27/2015						

Photo 3 of 3 : UCIP_FA_2018_45746_74252.jpg



Pipe debris present at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	1.89	Rating **	M	Issue No.	395
LM End	1.89	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.223760 °	38.223760 °
				-121.540629 °	-121.540629 °
DWR ID	20829				
Comment Code					
Inspector Comment					
FS_ID:45764 DS_ID:20829 EP_NO: 11178 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation on WS and LS. Some oil leakage inside pumphouse. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, 3.7 feet below the crown. 2-inch electrical conduit through the levee, next to the 8-inch discharge pipe. 1-inch air valve and pump on the waterside (WS) berm. Service pole on the landside (LS) slope. Tin and wood pump house on the WS berm. 12-foot by 3-foot concrete standpipe on the LS. (Retention of an 8-inch pipe through the levee, 3.7 feet below the crown, a pump on the WS berm, and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11178, 1975 - Allena D. Swett). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""R"" 511+00), invert elevation 16.4 feet]. FS Date: 5/27/2015					

LM Start	1.89	Rating **	M	Issue No.	395 (cont)
LM End	1.89	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_45764_74260.jpg



LS view: service pole on LW slope. Standpipe not visible in photo.

Photo 2 of 3 : UCIP_FA_2018_45764_74261.jpg



Pole on LS slope with electric box and 2-inch conduit.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	1.89	Rating **	M	Issue No.	395 (cont)	
LM End	1.89	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.223760 °	38.223760 °	
				-121.540629 °	-121.540629 °	
DWR ID	20829					
Comment Code						
Inspector Comment						
FS_ID:45764 DS_ID:20829 EP_NO: 11178 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation on WS and LS. Some oil leakage inside pumphouse. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, 3.7 feet below the crown. 2-inch electrical conduit through the levee, next to the 8-inch discharge pipe. 1-inch air valve and pump on the waterside (WS) berm. Service pole on the landside (LS) slope. Tin and wood pump house on the WS berm. 12-foot by 3-foot concrete standpipe on the LS. (Retention of an 8-inch pipe through the levee, 3.7 feet below the crown, a pump on the WS berm, and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11178, 1975 - Allena D. Swett). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""R"" 511+00), invert elevation 16.4 feet]. FS Date: 5/27/2015						

Photo 3 of 3 : UCIP_FA_2018_45764_74262.jpg



Standpipe on LS next to service pole.

LM Start	1.91	Rating **	U	Issue No.	47
LM End	1.91	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.223736 °	38.223736 °
				-121.541036 °	-121.541036 °
DWR ID	DWR_RD0556_01_s_2018_47				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Dense vegetation prevents inspection and access.					

Photo 1 of 1 : FA_2018_RD0556_18_47_20180925_00026.jpg



Landscaping should be thinned.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	2.05	Rating **	U	Issue No.	74
LM End	2.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.223418 °	38.220317 °
				-121.543528 °	-121.544172 °
DWR ID	DWR_RD0556_01_f_2018_74				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove vegetation 20' from the crown.					

Photo 1 of 1 : FA_2018_RD0556_18_74_20180925_00031.jpg



RD 556 Unit 1 waterside levee mile 1.74-2.29.

LM Start	2.09	Rating **	U	Issue No.	25
LM End	2.11	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.223087°	38.222850°
				-121.544140°	-121.544330°
DWR ID	DWR_RD0556_01_f_2017_25				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0556_18_25_20180925_00007.jpg



Unpermitted fence covered in berry vines along landside levee toe should be moved back 10 feet to allow access.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	2.13	Rating **	M	Issue No.	396	
LM End	2.13	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.222560 °	38.222560 °	
				-121.544485 °	-121.544485 °	
DWR ID	20830					
Comment Code						
Inspector Comment						
FS_ID:45786 DS_ID:20830 EP_NO: 2392 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Hole and exposed depression adjacent to pipe at LS. Dense vegetation on WS and LS limited visibility. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 3 feet below the crown. Slant pump on the waterside (WS) bank. 1-inch electrical conduit through the levee, beside the 12-inch pipe, visible on the WS. Service pole and two standpipes at the landside (LS) toe. One of the two standpipes is 6 inches. (Plans for the installation of a pumping plant and a steel pipe through the levee authorized under Permit No. 2392, 1956 - Loyal D. Mealer). [Additional Reference(s): DWR Levee Log]. FS Date: 5/27/2015						

LM Start	2.13	Rating **	M	Issue No.	396 (cont)
LM End	2.13	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_45786_74280.jpg



WS view: Slant pump, 12-inch and 1-inch pipe through levee.

Photo 2 of 3 : UCIP_FA_2018_45786_74281.jpg



View toward WS with cuts in pavement in alignment with pipe on WS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	2.13	Rating **	M	Issue No.	396 (cont)	
LM End	2.13	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.222560 °	38.222560 °	
				-121.544485 °	-121.544485 °	
DWR ID	20830					
Comment Code						
Inspector Comment						
FS_ID:45786 DS_ID:20830 EP_NO: 2392 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Hole and exposed depression adjacent to pipe at LS. Dense vegetation on WS and LS limited visibility. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 3 feet below the crown. Slant pump on the waterside (WS) bank. 1-inch electrical conduit through the levee, beside the 12-inch pipe, visible on the WS. Service pole and two standpipes at the landside (LS) toe. One of the two standpipes is 6 inches. (Plans for the installation of a pumping plant and a steel pipe through the levee authorized under Permit No. 2392, 1956 - Loyal D. Mealer). [Additional Reference(s): DWR Levee Log]. FS Date: 5/27/2015						

Photo 3 of 3 : UCIP_FA_2018_45786_74282.jpg



LS: 2 standpipes and service pole.

LM Start	2.33	Rating **	U	Issue No.	49
LM End	2.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.219755 °	38.219755 °
				-121.543991 °	-121.543991 °
DWR ID	DWR_RD0556_01_s_2018_49				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Cut fig tree back from the road way and to see down levee slope.					

Photo 1 of 1 : FA_2018_RD0556_18_49_20180925_00027.jpg



Remove or manage large fig tree.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	2.38	Rating **	U	Issue No.	31
LM End	2.43	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.219037 °	38.218342 °
				-121.543847 °	-121.543842 °
DWR ID	DWR_RD0556_01_s_2017_31				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : FA_2018_RD0556_18_31_20180925_00015.jpg



Looking downstream from the landside shoulder woody tree growth blocking the slope and shoulder.

LM Start	2.38	Rating **	U	Issue No.	31 (cont)
LM End	2.43	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2018_RD0556_18_31_20180925_00016.jpg



Trim and thin trees to allow visibility of the slope and ground.

LM Start	2.38	Rating **	U	Issue No.	50
LM End	2.43	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.219029°	38.218342°
				-121.543831°	-121.543837°
DWR ID	DWR_RD0556_01_s_2018_50				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0556_18_50_20180925_00028.jpg



Manage landscaping.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	2.44	Rating **	M	Issue No.	397
LM End	2.44	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.218242 °	38.218242 °
				-121.543807 °	-121.543807 °
DWR ID	20831				
Comment Code					
Inspector Comment					
FS_ID:52734 DS_ID:20831 EP_NO: 11169 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/12/2018 Hole near air vent on LS slope is still present but haven't increased in size. Pipe was running at the time of site visit, no leaks detected. Downgraded to "Non-Urgent" due to absence of levee threat. (O.Yakimov-DWR UCIP)05/27/2015 2'x2' hole on levee off LS shoulder. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, 3.7 feet below the crown. 1-inch air valve. Pump and switch panel on the waterside (WS) berm. Service pole on the landside (LS). 9-foot by 3-foot concrete standpipe on the LS. 3 cables encased in a 1.5-inch steel conduit through the levee and on the WS, alongside the 8-inch pipe, disconnected on the WS. (Retention of an 8-inch pipe through the levee, 3.7 feet below the crown, a pump and a switch panel on the WS berm, and a service pole on the LS authorized under Automatic Board Order (ABO) issued as Permit No. 11169, 1975 - Darrell T. and B. M. Mealer). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""R"" 482+49.3), invert elevation 16 feet]. FS Date: 7/12/2018 1:51:13 PM					

LM Start	2.44	Rating **	M	Issue No.	397 (cont)
LM End	2.44	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_52734_74287.jpg



Closeup of 8-inch and 1.5-inch pipes and platform off LS toe.

Photo 2 of 3 : UCIP_FA_2018_52734_74288.jpg



Concrete standpipe off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	2.44	Rating **	M	Issue No.	397 (cont)	
LM End	2.44	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.218242 °	38.218242 °	
				-121.543807 °	-121.543807 °	
DWR ID	20831					
Comment Code						
Inspector Comment						
FS_ID:52734 DS_ID:20831 EP_NO: 11169 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/12/2018 Hole near air vent on LS slope is still present but haven't increased in size. Pipe was running at the time of site visit, no leaks detected. Downgraded to "Non-Urgent" due to absence of levee threat. (O.Yakimov-DWR UCIP)05/27/2015 2'x2' hole on levee off LS shoulder. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, 3.7 feet below the crown. 1-inch air valve. Pump and switch panel on the waterside (WS) berm. Service pole on the landside (LS). 9-foot by 3-foot concrete standpipe on the LS. 3 cables encased in a 1.5-inch steel conduit through the levee and on the WS, alongside the 8-inch pipe, disconnected on the WS. (Retention of an 8-inch pipe through the levee, 3.7 feet below the crown, a pump and a switch panel on the WS berm, and a service pole on the LS authorized under Automatic Board Order (ABO) issued as Permit No. 11169, 1975 - Darrell T. and B. M. Mealer). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""R"" 482+49.3), invert elevation 16 feet]. FS Date: 7/12/2018 1:51:13 PM						

Photo 3 of 3 : UCIP_FA_2018_52734_74289.jpg



Closeup of concrete standpipe off LS toe.

LM Start	2.46	Rating **	M	Issue No.	51
LM End	2.46	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.217917 °	38.217917 °
				-121.543830 °	-121.543830 °
DWR ID	DWR_RD0556_01_s_2018_51				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove large cactus.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	2.54	Rating **	M	Issue No.	26
LM End	2.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.216850 °	38.216850 °
				-121.543302 °	-121.543302 °
DWR ID	DWR_RD0556_01_f_2018_26				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove new trees from levee slope.					

Photo 1 of 1 : FA_2018_RD0556_18_26_20181009_00069.jpg



Newly planted tree on the land side slope (October 2018).

LM Start	2.54	Rating **	M	Issue No.	32
LM End	2.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.216770 °	38.214455 °
				-121.543212 °	-121.539433 °
DWR ID	DWR_RD0556_01_f_2016_32				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the vegetation from the landside slope.					

No Photos

LM Start	2.55	Rating **	U	Issue No.	64
LM End	2.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.216718 °	38.215665 °
				-121.543095 °	-121.541663 °
DWR ID	DWR_RD0556_01_f_2018_64				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove vegetation 20' down the water side slope.					

Photo 1 of 1 : FA_2018_RD0556_18_64_20181009_00073.jpg



View of vegetation on the water side slope (October 2018).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	2.71	Rating **	M	Issue No.	398
LM End	2.71	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.215222 °	38.215222 °
				-121.540950 °	-121.540950 °
DWR ID	20848				
Comment Code					
Inspector Comment					
FS_ID:45883 DS_ID:20848 EP_NO: 11167 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears out of use; if so, coordinate with owner to abandon properly per Title 23. FIELD_STRUCT_DESC: 8-inch steel casing through the levee, 3 feet below the crown. 3-inch steel irrigation discharge pipe sleeved through the 8-inch casing. Annular space appears to be grouted. 3-inch pipe connected to the pump on the waterside (WS). 0.75-inch primer pipe. Gate valve on the WS berm. Polyvinyl chloride (PVC) standpipe off the landside (LS) toe, previously a 6-foot by 3-foot concrete standpipe. Pipe not in use. (Retention of an 8-inch pipe through the levee, 3 feet below the crown, and a gate valve on the WS berm authorized under Automatic Board Order (ABO) issued as Permit No. 11167, 1975 - Russel G. Graham, pipe not in use). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""R"" 468+52.7), invert elevation 15.9 feet]. FS Date: 6/5/2015 8:11:00 AM					

No Photos

LM Start	2.72	Rating **	U	Issue No.	33
LM End	2.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.215107 °	38.215107 °
				-121.540677 °	-121.540677 °
DWR ID	DWR_RD0556_01_s_ 2017_33				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Fallen tree on landside. Remove the fallen tree and repair the levee damage.					

Photo 1 of 2 : FA_2018_RD0556_18_33_20180925_00017.jpg



RD 556 Unit 1 levee mile 2.72 fallen tree damage to shoulder and slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	2.72	Rating **	U	Issue No.	33 (cont)	
LM End	2.72	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.215107°		38.215107°
				-121.540677°		-121.540677°
DWR ID	DWR_RD0556_01_s_2017_33					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
Fallen tree on landside. Remove the fallen tree and repair the levee damage.						

Photo 2 of 2 : FA_2018_RD0556_18_33_20180925_00018.jpg



RD 349 Unut 1 levee mile 2.72 the root ball of the fallen tree on slope landward.

LM Start	2.73	Rating **	U	Issue No.	48
LM End	2.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.215025 °	38.215025 °
				-121.540623 °	-121.540623 °
DWR ID	DWR_RD0556_01_f_2018_48				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove wild grapes					

Photo 1 of 1 : FA_2018_RD0556_18_48_20181009_00070.jpg



View of thick vegetation on the land side slope (October 2018).

LM Start	2.85	Rating **	M	Issue No.	43
LM End	2.98	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.214144°	38.212577°
				-121.538692°	-121.537244°
DWR ID	DWR_RD0556_01_f_2018_43				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 9.2 R					
Status: Eroding New					
2017 Field Notes: Toe erosion.					
Site History:					
2018: Unable to see due to heavy vegetation.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	2.96	Rating **	C	Issue No.	63
LM End	2.99	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.212661 °	38.212328 °
				-121.537633 °	-121.537318 °
DWR ID	DWR_RD0556_01_s_2013_63				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the vegetation from the waterside slope.					

No Photos

LM Start	2.99	Rating **	M	Issue No.	53
LM End	3.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.212406 °	38.211703 °
				-121.537361 °	-121.536938 °
DWR ID	DWR_RD0556_01_s_2018_53				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Trim oleanders and Ivy to see down the slope.					

No Photos

LM Start	3.09	Rating **	C	Issue No.	54
LM End	3.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.211244°	38.211103°
				-121.537458°	-121.537993°
DWR ID	DWR_RD0556_01_s_2018_54				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	3.12	Rating **	U	Issue No.	35
LM End	3.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.211103°	38.210970°
				-121.537993°	-121.538370°
DWR ID	DWR_RD0556_01_s_2017_35				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the arundo.					

Photo 1 of 1 : FA_2018_RD0556_18_35_20180925_00020.jpg



RD 556 Unit 1 levee mile 3.12-3.14 waterside shoulder and slope.

LM Start	3.14	Rating **	U	Issue No.	28
LM End	3.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.210985°	38.210160°
				-121.538372°	-121.540300°
DWR ID	DWR_RD0556_01_f_2017_28				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0556_18_28_20180925_00012.jpg



Significant rodent activity in this area must be stopped. Holes should be backfilled.

LM Start	3.18	Rating **	M	Issue No.	42
LM End	3.50	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.210674 °	38.206919 °
				-121.538854 °	-121.541559 °
DWR ID	DWR_RD0556_01_f_2018_42				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 9.0 R					
Status: Eroding New					
2017 Field Notes: Toe erosion and failed revetment.					
Site History:					
2018: Unable to see due to heavy vegetation.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	3.25	Rating **	U	Issue No.	38
LM End	3.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.210250 °	38.209842 °
				-121.540207 °	-121.540658 °
DWR ID	DWR_RD0556_01_s_2017_38				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Remove the wild tree growth and vegetation from the landside levee slope and toe so the ground can be seen.					

Photo 1 of 1 : FA_2018_RD0556_18_38_20180925_00021.jpg



556 Unit 1 levee mile 3.25-3.29 woody tree growth and vegetation blocking the view of the levee slope and toe.

LM Start	3.31	Rating **	U	Issue No.	61
LM End	3.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.209553 °	38.202133 °
				-121.540752 °	-121.540957 °
DWR ID	DWR_RD0556_01_f_2018_61				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove vegetation 20' from crown					

Photo 1 of 1 : FA_2018_RD0556_18_61_20181009_00071.jpg



View looking upstream on the water side slope (October 2018).

LM Start	3.38	Rating **	U	Issue No.	29
LM End	3.42	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.208755 °	38.208191 °
				-121.541395 °	-121.541578 °
DWR ID	DWR_RD0556_01_f_2017_29				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0556_18_29_20180925_00013.jpg



Large cactus growing on shoulder and slope should be removed to allow inspection and access.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	3.42	Rating **	M	Issue No.	41
LM End	3.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.208113 °	38.202053 °
				-121.541582 °	-121.541135 °
DWR ID	DWR_RD0556_01_s_2017_41				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the wild growth other than annual grasses from the levee slope.					

No Photos

LM Start	3.43	Rating **	A/W	Issue No.	23
LM End	3.75	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.208070 °	38.203400 °
				-121.541700 °	-121.540990 °
DWR ID	DWR_RD0556_01_f_2017_23				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:67					
Site Designation:USACE_CESPK_UPA1_2011_p_0143					
Repair Type: Stability					
Rating:Area of Concern					
Field Date:2/7/2017					
Notes: inactive ditch on landside toe, slope covered in heavy vegetation, minor landside lower slope sloughing observed,					

Photo 1 of 2 : FA_2018_RD0556_18_23_20180925_00004.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	3.43	Rating **	A/W	Issue No.	23 (cont)	
LM End	3.75	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.208070 °	38.203400 °	
				-121.541700 °	-121.540990 °	
DWR ID	DWR_RD0556_01_f_2017_23					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:67						
Site Designation:USACE_CESPK_UPA1_2011_p_0143						
Repair Type: Stability						
Rating:Area of Concern						
Field Date:2/7/2017						
Notes: inactive ditch on landside toe, slope covered in heavy vegetation, minor landside lower slope sloughing observed,						

Photo 2 of 2 : FA_2018_RD0556_18_23_20180925_00005.jpg



LM Start	3.46	Rating **	U	Issue No.	62
LM End	3.46	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.207592°	38.207592°
				-121.541668°	-121.541668°
DWR ID	DWR_RD0556_01_f_2018_62				
Comment Code					
DE : Debris					
Inspector Comment					
Remove concrete piles.					

Photo 1 of 1 : FA_2018_RD0556_18_62_20181009_00072.jpg



Concrete debris on the water side (October 2018).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	3.91	Rating **	U	Issue No.	30
LM End	3.91	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.201672°	38.201672°
				-121.542133°	-121.542133°
DWR ID	DWR_RD0556_01_f_2017_30				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0556_18_30_20180925_00014.jpg



Trim/thin landscaping to allow inspection and access to levee slope and toe.

LM Start	3.93	Rating **	U	Issue No.	34
LM End	3.98	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.201603 °	38.201273 °
				-121.542352 °	-121.543328 °
DWR ID	DWR_RD0556_01_f_2017_34				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0556_18_34_20180925_00019.jpg



Remove large cactus from waterside shoulder to allow inspection and access.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	3.98	Rating **	U	Issue No.	39
LM End	5.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.201273 °	38.186464 °
				-121.543328 °	-121.562550 °
DWR ID	DWR_RD0556_01_f_2017_39				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove wild growth and arundo from landside slope and toe.					

Photo 1 of 1 : FA_2018_RD0556_18_39_20180925_00022.jpg



Control dense growth of wild vegetation, berry vines and arundo on landside to allow inspection and access.

LM Start	4.04	Rating **	M	Issue No.	59
LM End	4.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.200897 °	38.192662 °
				-121.544350 °	-121.553160 °
DWR ID	DWR_RD0556_01_f_2012_59				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Exterminate the rodents and backfill the burrows.					

No Photos

LM Start	4.07	Rating **	U	Issue No.	67
LM End	5.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.200658 °	38.186464 °
				-121.544711 °	-121.562550 °
DWR ID	DWR_RD0556_01_s_2013_67				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the wild weed growth and Arundo from the waterside levee section.					

Photo 1 of 1 : FA_2018_RD0556_18_67_20180925_00030.jpg



Looking downstream on the waterside arundo completely blocking view of the slope and shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	4.28	Rating **	M	Issue No.	55
LM End	5.48	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.198077°	38.186479°
				-121.546806°	-121.562538°
DWR ID	DWR_RD0556_01_s_2018_55				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	5.10	Rating **	U	Issue No.	56
LM End	5.10	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			38.190157°	38.190157°
				-121.557555°	-121.557555°
DWR ID	DWR_RD0556_01_s_2018_56				
Comment Code					
Inspector Comment					
Gate needs repair or replacement.					

Photo 1 of 1 : FA_2018_RD0556_18_56_20180925_00029.jpg



Repair or replace broken gate.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	5.12	Rating **	M	Issue No.	37
LM End	5.34	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.189775 °	38.187369 °
				-121.557729 °	-121.560247 °
DWR ID	DWR_RD0556_01_f_2018_37				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 7.0 R					
Status: Eroding					
2017 Field Notes: Site extended downstream. Large erosion pockets and significant toe erosion.					
Site History: 1997 - Toe damaged rock. 1999 - One pocket filled with gravel. 2000 - Eroding beach with some biotech rolls and stakes; some gravel on slope. 2001 - Staked, low fascine walls at bankline. 2005 - Stone revetment in between pockets. 2006 - New rock on upper slope behind brush boxes at the upstream end, Stone is sliding off the hard toe. 2016 - Fresh erosion observed.					

Photo 1 of 1 : FA_2018_RD0556_18_37_20181023_00008.jpg



USACE 2013 Photo #1

LM Start	5.46	Rating **	U	Issue No.	44
LM End	5.46	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.186593 °	38.186593 °
				-121.562217 °	-121.562217 °
DWR ID	DWR_RD0556_01_s_2017_44				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the fallen tree from the landside slope and repair the damage to the slope.					

Photo 1 of 2 : FA_2018_RD0556_18_44_20180925_00024.jpg



RD 556 Unit 1 levee mile 5.46 fallen tree on landside slope and damage to the slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/05/2018 10/05/2018	David Julian

LM Start	5.46	Rating **	U	Issue No.	44 (cont)	
LM End	5.46	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.186593 °	38.186593 °	
				-121.562217 °	-121.562217 °	
DWR ID	DWR_RD0556_01_s _ 2017_44					
Comment Code						
TR : Tree or limb						
Inspector Comment						
Remove the fallen tree from the landside slope and repair the damage to the slope.						

Photo 2 of 2 : FA_2018_RD0556_18_44_20180925_00025.jpg



view from upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2018 Levee Inspection Results

Reclamation District No. 0556 Upper Andrus

Waterway			Bank	Unit Miles
Unit No. 02 Sacramento River			Left	5.72
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/5/2018 - 4/5/2018		10/2/2018 - 10/2/2018	
DWR Inspector	Keith Millard		David Julian	
Accompanied By	Alan Silva RD 556		Alan Silva RD 556	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start		Rating **	C	Issue No.	21
LM End		Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			°	°
				°	°
DWR ID	DWR_RD0556_02_f_2018_21				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 26.0 L Status: Repaired 2017 Field Notes: Site repaired by USACE in 2016 Site History: 2002 - Two rocked sections (150 ft long) at the downstream end. 2005 - Lots of old brush boxes, some with established vegetation in the area behind the boxes. 2006 - Some small spots fixed with stone. 2009 - Minimal new erosion, rock in the middle of the reach may be new. 2011 - Minor new erosion at the toe. 2013 - Minor new erosion. 2015 - Site under construction. 2016 - Site repaired by USACE.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	89
LM End	1.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.238110°	38.239517°
				-121.518178°	-121.541227°
DWR ID	DWR_RD0556_02_f_2018_89				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	0.00	Rating **	M	Issue No.	82
LM End	1.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.200550°	38.241038°
				-121.544190°	-121.551365°
DWR ID	DWR_RD0556_02_s_2013_82				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove vegetation 20' from water side shoulder.					

Photo 1 of 4 : FA_2018_RD0556_19_82_20181003_00060.jpg



Looking downstream at vegetation on water side slope. Vegetation is clear 10' from the crown (October 2018).

LM Start	0.00	Rating **	M	Issue No.	82 (cont)
LM End	1.84	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : FA_2018_RD0556_19_82_20181004_00077.jpg



Looking upstream at thick vegetation on the water side. This is a representative photo of the vegetation for the length of this issue (October 2018).

LM Start	0.00	Rating **	M	Issue No.	82 (cont)
LM End	1.84	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : FA_2018_RD0556_19_82_20180925_00022.jpg



RD 556 Unit 2 looking downstream of waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	0.00	Rating **	M	Issue No.	82 (cont)	
LM End	1.84	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.200550 °		38.241038 °
				-121.544190 °		-121.551365 °
DWR ID	DWR_RD0556_02_s_2013_82					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Remove vegetation 20' from water side shoulder.						

Photo 4 of 4 : FA_2018_RD0556_19_82_20180925_00023.jpg



Waterside levee slope and shoulder have been mowed to 20' from

LM Start	0.11	Rating **	M	Issue No.	24
LM End	0.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.238959 °	38.238410 °
				-121.520263 °	-121.524578 °
DWR ID	DWR_RD0556_02_s_2018_24				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.11	Rating **	M	Issue No.	39
LM End	1.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.238961 °	38.238491 °
				-121.520264 °	-121.536710 °
DWR ID	DWR_RD0556_02_s_2018_39				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0556 Upper Andrus

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	0.58	Rating **	M	Issue No.	51
LM End	0.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.237712 °	38.238005 °
				-121.528657 °	-121.534400 °
DWR ID	DWR_RD0556_02_f_2018_51				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.94	Rating **	M	Issue No.	90	
LM End	0.94	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.238125°	38.238125°	
				-121.535267°	-121.535267°	
DWR ID	20851					
Comment Code						
Inspector Comment						
FS_ID:12512						
DS_ID:20851						
EP_NO: 11186						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - a concrete box on LS- water is leaking from priming plastic tank and causing surface erosion on levee slope.						
FIELD_STRUCT_DESC: 4-inch steel irrigation discharge pipe through the levee, 4.3 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) berm. Siphon breaker and service pole on the landside (LS) slope. Concrete spill box with three 8-inch openings. (Retention of a 4-inch pipe through the levee, 4.3 feet below the crown, a pump in a pump house on the WS berm, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11186, 1975 - Margaret M. Marks).						
[Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 192+00), 6-inch pipe referenced, invert elevation 18.8 feet].						
FS Date: 4/25/2013						

Photo 1 of 3 : UCIP_FA_2018_12512_20245.jpg



WS- pump house on levee berm

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	0.94	Rating **	M	Issue No.	90 (cont)	
LM End	0.94	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.238125°	38.238125°	
				-121.535267°	-121.535267°	
DWR ID	20851					
Comment Code						
Inspector Comment						
FS_ID:12512 DS_ID:20851 EP_NO: 11186 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - a concrete box on LS- water is leaking from priming plastic tank and causing surface erosion on levee slope. FIELD_STRUCT_DESC: 4-inch steel irrigation discharge pipe through the levee, 4.3 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) berm. Siphon breaker and service pole on the landside (LS) slope. Concrete spill box with three 8-inch openings. (Retention of a 4-inch pipe through the levee, 4.3 feet below the crown, a pump in a pump house on the WS berm, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11186, 1975 - Margaret M. Marks). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 192+00), 6-inch pipe referenced, invert elevation 18.8 feet]. FS Date: 4/25/2013						

LM Start	0.94	Rating **	M	Issue No.	90 (cont)
LM End	0.94	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_12512_20244.jpg



LS- steel pipe on a concrete box

Photo 3 of 3 : UCIP_FA_2018_12512_20243.jpg



WS- pipe daylight from the pump house.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	1.00	Rating **	M	Issue No.	62
LM End	1.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.238395°	38.238395°
				-121.536273°	-121.536273°
DWR ID	DWR_RD0556_02_f_2018_62				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.03	Rating **	M	Issue No.	19
LM End	1.15	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.238772°	38.239265°
				-121.536788°	-121.538845°
DWR ID	DWR_RD0556_02_f_2018_19				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 25.2 L					
Status: Eroding					
2017 Field Notes: Minor new erosion observed.					
Site History: 1997 - Rock is in poor condition and has failed in many places. Scallops in berm with remnants of old rock in the toe area.					
2005 - Brush boxes present. 2013 - Site extended upstream approximately 300 ft to include new erosion pockets. 2015 - Minor new erosion at toe.					

Photo 1 of 1 : FA_2018_RD0556_19_19_20181023_00081.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	1.14	Rating **	U	Issue No.	26
LM End	1.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239005°	38.239005°
				-121.538772°	-121.538772°
DWR ID	DWR_RD0556_02_f_2017_26				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Trim/thin oleanders.					

Photo 1 of 1 : FA_2018_RD0556_19_26_20180925_00003.jpg



Manage oleanders to allow inspection and access.

LM Start	1.19	Rating **	M	Issue No.	42
LM End	1.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.239235 °	38.239235 °
				-121.539695 °	-121.539695 °
DWR ID	DWR_RD0556_02_s_2018_42				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	1.22	Rating **	M	Issue No.	91
LM End	1.22	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.239327°	38.239327°
				-121.540190°	-121.540190°
DWR ID	20852				
Comment Code					
Inspector Comment					
FS_ID:12573 DS_ID:20852 EP_NO: 11187 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - gap between 6-inch pipe and 10-inch pipe needs to be sealed. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe sleeved through a 10-inch steel pipe through the levee, 4.8 feet below the crown. Pump on the riverbank. (Retention of a 10-inch pipe through the levee, 4.8 feet below the crown, a flap gate on the waterside (WS) end, landside (LS) end open, used to sleeve portable irrigation pipe, authorized under Automatic Board Order (ABO) issued as Permit No. 11187, 1975 - Ernest and Alvine Machado). [Additional Reference(s): DWR Levee Log]. FS Date: 4/25/2013					

LM Start	1.22	Rating **	M	Issue No.	91 (cont)
LM End	1.22	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_12573_20381.jpg



LS- 6-inch steel pipe on orchard.

Photo 2 of 3 : UCIP_FA_2018_12573_20380.jpg



LS- 6-inch steel pipe sleeved through 10-inch steel pipe. 6" pipe is attached with air release valve.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	1.22	Rating **	M	Issue No.	91 (cont)	
LM End	1.22	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.239327°	38.239327°	
				-121.540190°	-121.540190°	
DWR ID	20852					
Comment Code						
Inspector Comment						
FS_ID:12573						
DS_ID:20852						
EP_NO: 11187						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - gap between 6-inch pipe and 10-inch pipe needs to be sealed.						
FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe sleeved through a 10-inch steel pipe through the levee, 4.8 feet below the crown. Pump on the riverbank. (Retention of a 10-inch pipe through the levee, 4.8 feet below the crown, a flap gate on the waterside (WS) end, landside (LS) end open, used to sleeve portable irrigation pipe, authorized under Automatic Board Order (ABO) issued as Permit No. 11187, 1975 - Ernest and Alvine Machado). [Additional Reference(s): DWR Levee Log].						
FS Date: 4/25/2013						

Photo 3 of 3 : UCIP_FA_2018_12573_20383.jpg



WS- 6-inch steel pipe on levee slope

LM Start	1.29	Rating **	M	Issue No.	65
LM End	1.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.239607°	38.239607°
				-121.541430°	-121.541430°
DWR ID	DWR_RD0556_02_f_2018_65				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	1.31	Rating **	U	Issue No.	28
LM End	1.31	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239677 °	38.239677 °
				-121.541715 °	-121.541716 °
DWR ID	DWR_RD0556_02_f_2017_28				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0556_19_28_20180925_00004.jpg



Trim/thin oleanders.

LM Start	1.38	Rating **	M	Issue No.	66
LM End	1.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.239915 °	38.240080 °
				-121.542972 °	-121.543942 °
DWR ID	DWR_RD0556_02_f_2018_66				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.39	Rating **	U	Issue No.	29
LM End	1.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.239935 °	38.239935 °
				-121.543148 °	-121.543148 °
DWR ID	DWR_RD0556_02_f_2017_29				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0556_19_29_20180925_00005.jpg



Remove/relocate two large sea-train shipping containers to 10 feet from landside toe to allow inspection and access.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	1.45	Rating **	M	Issue No.	18
LM End	1.59	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.240401°	38.240772°
				-121.544106°	-121.546791°
DWR ID	DWR_RD0556_02_f_2018_18				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 24.8 L					
Status: Eroding					
2017 Field Notes: Significant lower bank erosion.					
Site History: 1997 - Slow erosion of the berm at the waterline; bench below water. 2005 - Brush boxes present. 2010 - Minor new erosion.					
2013 - There is little to no berm remaining at downstream end of this site. 2016 - New erosion on levee slope.					

Photo 1 of 1 : FA_2018_RD0556_19_18_20181023_00080.jpg



USACE 2013 Photo #1

LM Start	1.48	Rating **	U	Issue No.	41
LM End	1.48	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.240212 °	38.240212 °
				-121.544719 °	-121.544719 °
DWR ID	DWR_RD0556_02_s_2018_41				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove cactus and thin other landscaping.					

Photo 1 of 1 : FA_2018_RD0556_19_41_20180925_00014.jpg



Cactus should be removed and other landscaping managed to allow access and inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	1.50	Rating **	M	Issue No.	88
LM End	1.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.240255 °	38.240832 °
				-121.545255 °	-121.548440 °
DWR ID	DWR_RD0556_02_f_2018_88				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove vegetation from land side slope.					

Photo 1 of 1 : FA_2018_RD0556_19_88_20181003_00076.jpg



View looking downstream at vegetation on the land side slope (October 2018).

LM Start	1.64	Rating **	M	Issue No.	67
LM End	1.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.240733 °	38.240972 °
				-121.547738 °	-121.549260 °
DWR ID	DWR_RD0556_02_f_2018_67				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.76	Rating **	M	Issue No.	68
LM End	1.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.241003 °	38.240998 °
				-121.549887 °	-121.550352 °
DWR ID	DWR_RD0556_02_f_2018_68				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	1.82	Rating **	U	Issue No.	70
LM End	1.92	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.241010 °	38.240618 °
				-121.551033 °	-121.552747 °
DWR ID	DWR_RD0556_02_f_2018_70				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Thin oleanders to allow view down the levee slope.					

Photo 1 of 1 : FA_2018_RD0556_19_70_20181003_00063.jpg



View looking downstream at oleanders (October 2018).

LM Start	1.83	Rating **	U	Issue No.	30
LM End	1.99	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.240955 °	38.240024 °
				-121.551233 °	-121.553860 °
DWR ID	DWR_RD0556_02_f_2017_30				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove/thin various landscaping including trees, bushes and large cactus.					

Photo 1 of 1 : FA_2018_RD0556_19_30_20180925_00006.jpg



Trim/thin oleanders on landside slope.

LM Start	2.02	Rating **	M	Issue No.	71
LM End	2.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239768 °	38.230350 °
				-121.554258 °	-121.555772 °
DWR ID	DWR_RD0556_02_f_2018_71				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove vegetation 20' from water side slope.					

Photo 1 of 1 : FA_2018_RD0556_19_71_20181003_00064.jpg



View looking upstream at vegetation on water side slope (October 2018).

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	2.06	Rating **	U	Issue No.	32
LM End	2.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239470 °	38.239470 °
				-121.554845 °	-121.554845 °
DWR ID	DWR_RD0556_02_f_2017_32				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0556_19_32_20180925_00008.jpg



Arundo growth should be removed to allow inspection and access to landside slope and toe.

LM Start	2.12	Rating **	M	Issue No.	72
LM End	2.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.238828 °	38.238427 °
				-121.555693 °	-121.556260 °
DWR ID	DWR_RD0556_02_f_2018_72				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.13	Rating **	U	Issue No.	87
LM End	2.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.238780 °	38.238780 °
				-121.555717 °	-121.555717 °
DWR ID	DWR_RD0556_02_f_2018_87				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Cactus should be removed.					

Photo 1 of 1 : FA_2018_RD0556_19_87_20181003_00075.jpg



View of cactus on the land side slope (October 2018).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0556 Upper Andrus

Rodent burrows observed near the base of large nut tree on landside slope. Exterminate rodents and backfill burrows.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	2.28	Rating **	U	Issue No.	1
LM End	2.28	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.237156 °	38.237156 °
				-121.557640 °	-121.557640 °
DWR ID	DWR_RD0556_02_f_2015_1				
Comment Code					
V6 : Landscaping					
Inspector Comment					
These unauthorized planted redwoods have been reported in the past inspections, the District needs to have the owner remove them from the levee slope.					

Photo 1 of 1 : FA_2018_RD0556_19_1_20180925_00001.jpg



RD 556 Unit 2 Levee mile 2.28 unauthorized planting of redwood trees planted on the slope.

LM Start	2.29	Rating **	U	Issue No.	35
LM End	2.29	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.237060 °	38.237060 °
				-121.557782 °	-121.557782 °
DWR ID	DWR_RD0556_02_f_2017_35				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0556_19_35_20180925_00011.jpg



Trim/thin oleanders to allow inspection and access to landside slope and toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	2.35	Rating **	M	Issue No.	46
LM End	2.87	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.236257 °	38.229109 °
				-121.557980 °	-121.555356 °
DWR ID	DWR_RD0556_02_f_2018_46				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0556_19_46_20181003_00074.jpg



View looking upstream at beginning of landscaping on land side (October 2018).

LM Start	2.42	Rating **	M	Issue No.	92	
LM End	2.42	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.235261 °	38.235261 °	
				-121.558059 °	-121.558059 °	
DWR ID	20859					
Comment Code						
Inspector Comment						
FS_ID:12574 DS_ID:20859 EP_NO: 11181 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Needs to clean CMP riser for proper functioning of siphon breaker. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 5.8 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. Siphon breaker and service pole on the landside (LS) slope. (Retention of a 10-inch pipe through the levee, 5.8 feet below the crown, a pump and a gate valve in a pump house on the WS slope, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11181, 1975 - Robert E. and G. P. Collins). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 115+25), invert elevation 18.5 feet]. FS Date: 4/25/2013						

Photo 1 of 3 : UCIP_FA_2018_12574_20388.jpg



WS- pump house on levee berm

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	2.42	Rating **	M	Issue No.	92 (cont)	
LM End	2.42	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.235261 °	38.235261 °	
				-121.558059 °	-121.558059 °	
DWR ID	20859					
Comment Code						
Inspector Comment						
FS_ID:12574 DS_ID:20859 EP_NO: 11181 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Needs to clean CMP riser for proper functioning of siphon breaker. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 5.8 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. Siphon breaker and service pole on the landside (LS) slope. (Retention of a 10-inch pipe through the levee, 5.8 feet below the crown, a pump and a gate valve in a pump house on the WS slope, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11181, 1975 - Robert E. and G. P. Collins). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 115+25), invert elevation 18.5 feet]. FS Date: 4/25/2013						

LM Start	2.42	Rating **	M	Issue No.	92 (cont)
LM End	2.42	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_12574_20387.jpg



WS- pump, and gate valve in pump house.

Photo 3 of 3 : UCIP_FA_2018_12574_20386.jpg



WS- power control panel and electric conduit in pump house.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	2.68	Rating **	M	Issue No.	86
LM End	2.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.231622°	38.231558°	
			-121.556493°	-121.556463°	
DWR ID	DWR_RD0556_02_f_2018_86				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.69	Rating **	M	Issue No.	44
LM End	2.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.231494°	38.231494°	
			-121.556474°	-121.556474°	
DWR ID	DWR_RD0556_02_s_2018_44				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree.					

No Photos

LM Start	2.78	Rating **	M	Issue No.	45
LM End	2.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.230350°	38.230350°	
			-121.555772°	-121.555772°	
DWR ID	DWR_RD0556_02_s_2018_45				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	2.84	Rating **	M	Issue No.	93	
LM End	2.84	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.229524 °	38.229524 °	
				-121.555404 °	-121.555404 °	
DWR ID	20849					
Comment Code						
Inspector Comment						
FS_ID:41713						
DS_ID:20849						
EP_NO: 11181						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - Needs to clean siphon breaker CMP riser.						
FIELD_STRUCT_DESC: 6-inch irrigation discharge pipe of an unknown material through the levee, 6 feet below the crown. Pressure tank in a pump house on the waterside (WS) berm. Service pole, siphon breaker, and distribution box on the landside (LS) slope. (Retention of a 6-inch pipe through the levee, 6 feet below the crown; a pump, a gate valve, and a pressure tank on the WS berm; and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11181, 1975 - Robert E. and G. P. Collins). [Additional Reference(s): DWR Levee Log].						
FS Date: 4/25/2013						

LM Start	2.84	Rating **	M	Issue No.	93 (cont)
LM End	2.84	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_41713_20284.jpg



WS- pump house on levee berm.

Photo 2 of 3 : UCIP_FA_2018_41713_20283.jpg



LS- siphon breaker in CMP riser on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

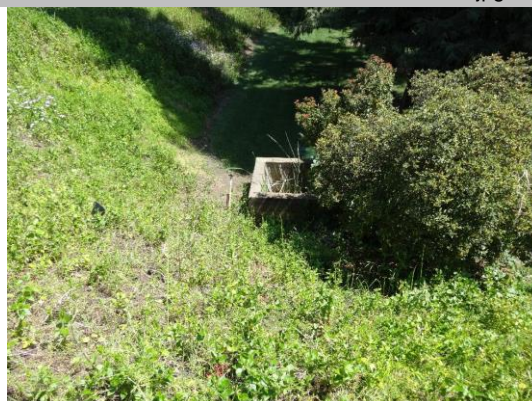
Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	2.84	Rating **	M	Issue No.	93 (cont)	
LM End	2.84	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.229524 °	38.229524 °	
				-121.555404 °	-121.555404 °	
DWR ID	20849					
Comment Code						
Inspector Comment						
FS_ID:41713						
DS_ID:20849						
EP_NO: 11181						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - Needs to clean siphon breaker CMP riser.						
FIELD_STRUCT_DESC: 6-inch irrigation discharge pipe of an unknown material through the levee, 6 feet below the crown. Pressure tank in a pump house on the waterside (WS) berm. Service pole, siphon breaker, and distribution box on the landside (LS) slope. (Retention of a 6-inch pipe through the levee, 6 feet below the crown; a pump, a gate valve, and a pressure tank on the WS berm; and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11181, 1975 - Robert E. and G. P. Collins). [Additional Reference(s): DWR Levee Log].						
FS Date: 4/25/2013						

Photo 3 of 3 : UCIP_FA_2018_41713_20282.jpg



LS- concrete distribution box near toe of the levee

LM Start	2.88	Rating **	M	Issue No.	85
LM End	3.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.228885 °	38.223363 °
				-121.555287 °	-121.555420 °
DWR ID	DWR_RD0556_02_f_2018_85				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	2.90	Rating **	M	Issue No.	76
LM End	5.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.228683 °	38.191822 °
				-121.555352 °	-121.567455 °
DWR ID	DWR_RD0556_02_f_2018_76				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove vegetation 20' from water side slope and patches of arundo.					

Photo 1 of 1 : FA_2018_RD0556_19_76_20181003_00065.jpg



View looking upstream at vegetation on the water side slope (October 2018).

LM Start	3.05	Rating **	M	Issue No.	77
LM End	3.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.226567 °	38.226567 °
				-121.555225 °	-121.555225 °
DWR ID	DWR_RD0556_02_f_2018_77				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	3.07	Rating **	M	Issue No.	94	
LM End	3.07	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.226225°	38.226225°	
				-121.555236°	-121.555236°	
DWR ID	20862					
Comment Code						
Inspector Comment						
FS_ID:12525 DS_ID:20862 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - 9-inch steel pipe sleeved through 12-inch pipe.- needs to seal gap between two pipes. FIELD_STRUCT_DESC: 9-inch steel pipe sleeved through a 12-inch steel irrigation discharge pipe through the levee, 6 feet below the crown. Pump on a pile structure in the river. Steel walkway to the pump and wood steps on the waterside (WS) slope. Concrete spill box with two 8- inch openings. (Retention of a 12-inch pipe through the levee, 6 feet below the crown, a pump on a pile structure in the river, a steel walkway to the pump, and wood steps on the WS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11193, 1975 - Gertrude M. Reid). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 80+79), invert elevation 18.3 feet]. FS Date: 4/25/2013						

LM Start	3.07	Rating **	M	Issue No.	94 (cont)
LM End	3.07	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_12525_20290.jpg



WS- walkway, pump, and pipe on steel pile structure in the river.

Photo 2 of 3 : UCIP_FA_2018_12525_20289.jpg



WS- 9-inch pipe sleeved through 10 inch steel pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	3.07	Rating **	M	Issue No.	94 (cont)	
LM End	3.07	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.226225 °	38.226225 °	
				-121.555236 °	-121.555236 °	
DWR ID	20862					
Comment Code						
Inspector Comment						
FS_ID:12525 DS_ID:20862 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - 9-inch steel pipe sleeved through 12-inch pipe.- needs to seal gap between two pipes. FIELD_STRUCT_DESC: 9-inch steel pipe sleeved through a 12-inch steel irrigation discharge pipe through the levee, 6 feet below the crown. Pump on a pile structure in the river. Steel walkway to the pump and wood steps on the waterside (WS) slope. Concrete spill box with two 8-inch openings. (Retention of a 12-inch pipe through the levee, 6 feet below the crown, a pump on a pile structure in the river, a steel walkway to the pump, and wood steps on the WS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11193, 1975 - Gertrude M. Reid). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 80+79), invert elevation 18.3 feet]. FS Date: 4/25/2013						

Photo 3 of 3 : UCIP_FA_2018_12525_20288.jpg



LS- a concrete spill box on landside of the levee.

LM Start	3.17	Rating **	M	Issue No.	17
LM End	3.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.224850 °	38.223233 °
				-121.555641 °	-121.555687 °
DWR ID	DWR_RD0556_02_f_2018_17				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 23.2 L Status: Eroding 2017 Field Notes: New erosion along lower bank. Site History: 2000 - Recently fallen cottonwood at the downstream end. 2005 - Empty brush boxes. 2011 - A few trees have fallen since last year. 2012 - Potential new tree popout since last year. 2013 - New erosion at downstream end of site and a recent tree pop-out observed. 2016 - New erosion at the toe.					

Photo 1 of 1 : FA_2018_RD0556_19_17_20181023_00079.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	3.51	Rating **	M	Issue No.	95
LM End	3.51	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.219851 °	38.219851 °
				-121.556129 °	-121.556129 °
DWR ID	20863				
Comment Code					
Inspector Comment					
FS_ID:12527 DS_ID:20863 EP_NO: 11181 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs to fix siphon breaker FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 4.8 feet below the crown. Steel walkway to the pump on a pile structure in the river. Siphon breaker on the waterside (WS). Service pole on the landside (LS) slope. Concrete spill box with two 15-inch openings on the LS. (Retention of a 10-inch pipe through the levee, 4.8 feet below the crown, a steel walkway to the pump on a pile structure in the river, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11181, 1975 - Robert E. and G. P. Collins). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 58+00), invert elevation 18.2 feet]. FS Date: 4/25/2013					

LM Start	3.51	Rating **	M	Issue No.	95 (cont)
LM End	3.51	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_12527_20297.jpg



WS- pump, pipe, and walkway on steel structure in the stream.

Photo 2 of 3 : UCIP_FA_2018_12527_20296.jpg



WS- siphon breaker and abandoned CMP riser lying adjacent to it.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	3.51	Rating **	M	Issue No.	95 (cont)	
LM End	3.51	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.219851 °	38.219851 °	
				-121.556129 °	-121.556129 °	
DWR ID	20863					
Comment Code						
Inspector Comment						
FS_ID:12527 DS_ID:20863 EP_NO: 11181 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs to fix siphon breaker FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 4.8 feet below the crown. Steel walkway to the pump on a pile structure in the river. Siphon breaker on the waterside (WS). Service pole on the landside (LS) slope. Concrete spill box with two 15-inch openings on the LS. (Retention of a 10-inch pipe through the levee, 4.8 feet below the crown, a steel walkway to the pump on a pile structure in the river, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11181, 1975 - Robert E. and G. P. Collins). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 58+00), invert elevation 18.2 feet]. FS Date: 4/25/2013						

Photo 3 of 3 : UCIP_FA_2018_12527_20295.jpg



WS- siphon breaker on levee slope.

LM Start	3.54	Rating **	M	Issue No.	78
LM End	3.54	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.219407 °	38.219407 °
				-121.556280 °	-121.556280 °
DWR ID	DWR_RD0556_02_f_2018_78				
Comment Code					
ST : Stairway					
Inspector Comment					
Stairs encroaching into slope do not have a permit.					

Photo 1 of 1 : FA_2018_RD0556_19_78_20181003_00067.jpg



View of stairs on water side slope (October 2018).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

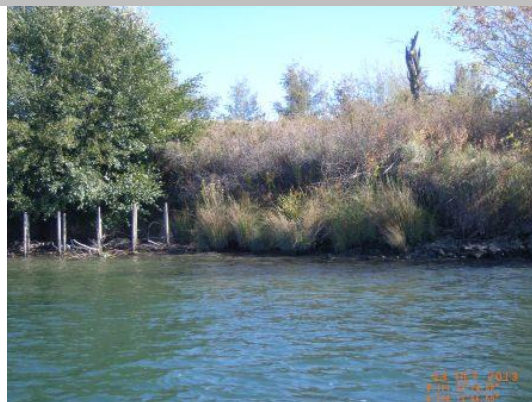
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	3.57	Rating **	A/W	Issue No.	23
LM End	3.95	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.218950 °	38.213490 °
				-121.556300 °	-121.556850 °
DWR ID	DWR_RD0556_02_s_2018_23				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:68					
Site Designation:DWR_RD0556_02_R_2012_03					
Repair Type: Seepage					
Rating:					
Field Date:					
Notes:					

No Photos

LM Start	3.58	Rating **	M	Issue No.	16
LM End	3.64	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.218951 °	38.218104 °
				-121.556689 °	-121.556819 °
DWR ID	DWR_RD0556_02_f_2018_16				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 22.7 L					
Status: Eroding					
2017 Field Notes: Minor new erosion at toe.					
Site History: 1997 - Scallops into berm and very close to levee toe.					
2005 - Brush boxes present. 2011 - New toe scour and freshly fallen tree. 2012 - New tree popout has taken significant portion of soil out of the levee.					

Photo 1 of 1 : FA_2018_RD0556_19_16_20181023_00078.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	3.58	Rating **	U	Issue No.	49
LM End	3.74	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.218889 °	38.216543 °
				-121.556388 °	-121.556777 °
DWR ID	DWR_RD0556_02_s_2018_49				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Row of evergreen trees blocks inspection and access. Should be trimmed to 5' above levee.					

Photo 1 of 1 : FA_2018_RD0556_19_49_20180925_00015.jpg



Row of landscaping trees blocks inspection and access.

LM Start	3.83	Rating **	M	Issue No.	84
LM End	3.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.215223 °	38.214688 °
				-121.556903 °	-121.556868 °
DWR ID	DWR_RD0556_02_f_2018_84				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.87	Rating **	M	Issue No.	81
LM End	5.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.214688 °	38.198492 °
				-121.556868 °	-121.558230 °
DWR ID	DWR_RD0556_02_f_2018_81				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove vegetation on land side slope.					

Photo 1 of 1 : FA_2018_RD0556_19_81_20181003_00071.jpg



View looking slightly downstream at vegetation on the land side slope (October 2018).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	3.95	Rating **	M	Issue No.	15
LM End	4.12	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.213581 °	38.211112 °
				-121.557197 °	-121.557042 °
DWR ID	DWR_RD0556_02_f_2018_15				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 22.5 L Status: Eroding 2017 Field Notes: New lower bank erosion at the upstream end. Locals placed rock in some erosion pockets. Site History: 2002 - Spot rock along berm, but not in the erosion pockets. 2005 - Some new minor stone revetment at the upstream end. Brush boxes present. 2006 - Currently installing new brush in downstream brush boxes. 2007 - Rock in middle portion for about 150 ft. 2010 - Some attempt at repairs but still has pockets of erosion. 2012 - More erosion along the toe.					

Photo 1 of 1 : FA_2018_RD0556_19_15_20181023_00066.jpg



USACE 2013 Photo #1

LM Start	3.99	Rating **	M	Issue No.	96
LM End	3.99	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.213031 °	38.213031 °
				-121.556800 °	-121.556800 °
DWR ID	20864				
Comment Code					
Inspector Comment					
FS_ID:12543 DS_ID:20864 EP_NO: 11197 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Electric control panel in pump house.Needs cleaning of CMP riser on landside. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, 6.5 feet below the crown. Slant pump on a steel pile structure in the river. Walkway to the pump. Gate valve in a pump house on the waterside (WS) slope. Siphon breaker and service poles on the landside (LS) slope. Concrete standpipe on the LS. (Retention of a 6-inch pipe through the levee, 6.5 feet below the crown, a pump and a gate valve in a pump house on the WS slope, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11197, 1975 - Richard T. and Mary B. Souza). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 32+40), invert elevation 18.1 feet]. FS Date: 4/25/2013					

Photo 1 of 3 : UCIP_FA_2018_12543_20302.jpg



WS- pipe and pump on steel pile structure. Steel walkway from pump house to the pump on steel structure.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	3.99	Rating **	M	Issue No.	96 (cont)	
LM End	3.99	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.213031 °	38.213031 °	
				-121.556800 °	-121.556800 °	
DWR ID	20864					
Comment Code						
Inspector Comment						
FS_ID:12543						
DS_ID:20864						
EP_NO: 11197						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Electric control panel in pump house.Needs cleaning of CMP riser on landside.						
FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, 6.5 feet below the crown. Slant pump on a steel pile structure in the river. Walkway to the pump. Gate valve in a pump house on the waterside (WS) slope. Siphon breaker and service poles on the landside (LS) slope. Concrete standpipe on the LS. (Retention of a 6-inch pipe through the levee, 6.5 feet below the crown, a pump and a gate valve in a pump house on the WS slope, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11197, 1975 - Richard T. and Mary B. Souza). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 32+40), invert elevation 18.1 feet].						
FS Date: 4/25/2013						

LM Start	3.99	Rating **	M	Issue No.	96 (cont)
LM End	3.99	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_12543_20301.jpg



LS- siphon breaker in CMP riser and concrete standpipe behind CMP riser.

Photo 3 of 3 : UCIP_FA_2018_12543_20300.jpg



LS- siphon breaker in CMP riser. It needs cleaning.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	4.01	Rating **	U	Issue No.	52
LM End	4.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.212662 °	38.207293 °
				-121.556808 °	-121.556837 °
DWR ID	DWR_RD0556_02_s_2018_52				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove berry vines to allow inspection and access.					

Photo 1 of 1 : FA_2018_RD0556_19_52_20180925_00016.jpg



Berry vines on landside should be removed to allow inspection and access.

LM Start	4.15	Rating **	U	Issue No.	53
LM End	4.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.210682 °	38.208001 °
				-121.556779 °	-121.556839 °
DWR ID	DWR_RD0556_02_s_2018_53				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove arundo.					

Photo 1 of 1 : FA_2018_RD0556_19_53_20180925_00017.jpg



Waterside arundo should be removed.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	4.26	Rating **	M	Issue No.	97
LM End	4.26	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.209117°	38.209117°
				-121.556803°	-121.556803°
DWR ID	20865				
Comment Code					
Inspector Comment					
FS_ID:12545 DS_ID:20865 EP_NO: 11194 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - CMP riser found abandoned on LS slope. Due to dense vegetation siphon breaker could not be found.- Dense vegetation on both sides of the levee.- Oil leaks from pump set. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, 6.7 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. Siphon breaker on the landside (LS) slope. (Retention of an 8-inch pipe through the levee, 6.7 feet below the crown, a pump and a gate valve in a pump house on the WS slope, and a siphon breaker on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11194, 1975 - Gerald E. and William M. Robinson, et al.). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 18+20), invert elevation 18 feet]. FS Date: 4/25/2013					

Photo 1 of 3 : UCIP_FA_2018_12545_20310.jpg



WS- pump house not visible due to the dense vegetation.

LM Start	4.26	Rating **	M	Issue No.	97 (cont)
LM End	4.26	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_12545_20309.jpg



WS- pump house inside the dense vegetation.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	4.26	Rating **	M	Issue No.	97 (cont)	
LM End	4.26	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.209117°	38.209117°	
				-121.556803°	-121.556803°	
DWR ID	20865					
Comment Code						
Inspector Comment						
FS_ID:12545 DS_ID:20865 EP_NO: 11194 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - CMP riser found abandoned on LS slope. Due to dense vegetation siphon breaker could not be found.- Dense vegetation on both sides of the levee.- Oil leaks from pump set. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, 6.7 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. Siphon breaker on the landside (LS) slope. (Retention of an 8-inch pipe through the levee, 6.7 feet below the crown, a pump and a gate valve in a pump house on the WS slope, and a siphon breaker on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11194, 1975 - Gerald E. and William M. Robinson, et al.). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 18+20), invert elevation 18 feet]. FS Date: 4/25/2013						

Photo 3 of 3 : UCIP_FA_2018_12545_20308.jpg



WS- pump, gate valve and pipe in pump house.

LM Start	4.41	Rating **	M	Issue No.	55
LM End	4.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.206922 °	38.206922 °
				-121.556837 °	-121.556837 °
DWR ID	DWR_RD0556_02_s_2018_55				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	4.41	Rating **	M	Issue No.	36
LM End	4.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.206915 °	38.206915 °
				-121.556818 °	-121.556818 °
DWR ID	DWR_RD0556_02_f _ 2017_36				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0556_19_36_20180925_00012.jpg



Oleanders, trees and other landscaping should be trimmed to allow inspection and access to landside slope and toe.

LM Start	4.43	Rating **	U	Issue No.	54
LM End	4.43	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.206628 °	38.206628 °
				-121.556829 °	-121.556829 °
DWR ID	DWR_RD0556_02_s_2018_54				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove large fallen tree blocking access to waterside slope.					

Photo 1 of 1 : FA_2018_RD0556_19_54_20180925_00018.jpg



Fallen tree and other woody debris on waterside should be removed.

LM Start	4.45	Rating **	M	Issue No.	14
LM End	4.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.206377 °	38.205729 °
				-121.557184 °	-121.557108 °
DWR ID	DWR_RD0556_02_f_2018_14				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 21.9 L					
Status: Eroding					
2017 Field Notes: No observed change..					
Site History: 2013 - Erosion pockets encroaching on levee foundation.					

Photo 1 of 1 : FA_2018_RD0556_19_14_20181023_00062.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	4.54	Rating **	M	Issue No.	98
LM End	4.54	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.204974 °	38.204974 °
				-121.556789 °	-121.556789 °
DWR ID	20866				
Comment Code					
Inspector Comment					
FS_ID:12546 DS_ID:20866 EP_NO: 11940 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Abandoned crossing.- Siphon breaker on LS not found due to dense vegetation, - An abandoned CMP riser and service pole found on LS.- It may need to be properly abandoned. FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel irrigation discharge pipe through the levee, 6.7 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. Siphon breaker and service pole on the landside (LS) slope. (Retention of a 6-inch pipe through the levee, 6.5 feet below the crown, a pump and a gate valve in a pump house on the WS slope, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11194, 1975 - Gerald E. and William M. Robinson, et al.). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 2+73), invert elevation 18 feet]. FS Date: 4/25/2013					

LM Start	4.54	Rating **	M	Issue No.	98 (cont)
LM End	4.54	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_12546_20314.jpg



WS- abandoned pump house on levee slope. Dense vegetation on levee slope.

Photo 2 of 3 : UCIP_FA_2018_12546_20313.jpg



WS- pipe daylight from levee slope to pump house.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	4.54	Rating **	M	Issue No.	98 (cont)	
LM End	4.54	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.204974 °	38.204974 °	
				-121.556789 °	-121.556789 °	
DWR ID	20866					
Comment Code						
Inspector Comment						
FS_ID:12546 DS_ID:20866 EP_NO: 11940 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Abandoned crossing.- Siphon breaker on LS not found due to dense vegetation, - An abandoned CMP riser and service pole found on LS.- It may need to be properly abandoned. FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel irrigation discharge pipe through the levee, 6.7 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. Siphon breaker and service pole on the landside (LS) slope. (Retention of a 6-inch pipe through the levee, 6.5 feet below the crown, a pump and a gate valve in a pump house on the WS slope, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11194, 1975 - Gerald E. and William M. Robinson, et al.). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 2+73), invert elevation 18 feet]. FS Date: 4/25/2013						

Photo 3 of 3 : UCIP_FA_2018_12546_20315.jpg



WS- abandoned gate valve, pump, and pipe in pump house

LM Start	4.56	Rating **	N	Issue No.	56	
LM End	4.56	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.204666 °		38.204666 °
				-121.556813 °		-121.556813 °
DWR ID	DWR_RD0556_02_s_2018_56					
Comment Code						
T5 : Tree stumps.						
Inspector Comment						
Large stumps.						

Photo 1 of 1 : FA_2018_RD0556_19_56_20180925_00019.jpg



Fallen tree on landside should be removed.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	4.63	Rating **	M	Issue No.	38
LM End	4.84	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.203693 °	38.200593 °
				-121.556683 °	-121.557208 °
DWR ID	DWR_RD0556_02_s_2012_38				
Comment Code					
FE : Fence					
Inspector Comment					
Remove this old fence from the levee section landside.					

Photo 1 of 1 : FA_2018_RD0556_19_38_20181003_00073.jpg



View of old fence posts on land side slope (October 2018).

LM Start	4.64	Rating **	M	Issue No.	58
LM End	4.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.203480 °	38.203480 °
				-121.556824 °	-121.556824 °
DWR ID	DWR_RD0556_02_s_2018_58				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove fig tree.					

Photo 1 of 1 : FA_2018_RD0556_19_58_20181003_00072.jpg



View of fig tree on land side slope (October 2018).

LM Start	4.65	Rating **	M	Issue No.	27
LM End	4.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.203425 °	38.203425 °
				-121.556845 °	-121.556845 °
DWR ID	DWR_RD0556_02_s_2017_27				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree.					

Photo 1 of 1 : FA_2018_RD0556_19_27_20181003_00068.jpg



View of fallen tree on the water side slope (October 2018).

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	4.68	Rating **	U	Issue No.	59
LM End	4.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.202896 °	38.202429 °
				-121.556890 °	-121.556962 °
DWR ID	DWR_RD0556_02_s_2018_59				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove arundo.					

Photo 1 of 1 : FA_2018_RD0556_19_59_20180925_00020.jpg



Remove waterside arundo.

LM Start	4.73	Rating **	M	Issue No.	99	
LM End	4.73	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.202301 °	38.202301 °	
				-121.556952 °	-121.556952 °	
DWR ID	20867					
Comment Code						
Inspector Comment						
FS_ID:12547 DS_ID:20867 EP_NO: 11199 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: - pump, gate valve and pumphouse not found on waterward slope.- an abandoned electric control panel found on WS.- may need to be properly abandoned. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, 6.5 feet below the crown. Siphon and concrete spill box with two 8-inch openings. (Retention of a 6-inch pipe through the levee, 6.5 feet below the crown, a pump and a gate valve in a pump house on the waterside [WS] slope, and a siphon breaker and a service pole on the landside [LS] slope authorized under Automatic Board Order (ABO) issued as Permit No. 11199, 1975 - Toshi Tokuyoshi, et al.). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""H"" 159+97), invert elevation 17.9 feet]. FS Date: 4/25/2013						

Photo 1 of 3 : UCIP_FA_2018_12547_20320.jpg



LS- obstructed siphon breaker in CMP riser on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	4.73	Rating **	M	Issue No.	99 (cont)	
LM End	4.73	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.202301°	38.202301°	
				-121.556952°	-121.556952°	
DWR ID	20867					
Comment Code						
Inspector Comment						
FS_ID:12547 DS_ID:20867 EP_NO: 11199 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: - pump, gate valve and pumphouse not found on waterward slope.- an abandoned electric control panel found on WS.- may need to be properly abandoned. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, 6.5 feet below the crown. Siphon and concrete spill box with two 8-inch openings. (Retention of a 6-inch pipe through the levee, 6.5 feet below the crown, a pump and a gate valve in a pump house on the waterside [WS] slope, and a siphon breaker and a service pole on the landside [LS] slope authorized under Automatic Board Order (ABO) issued as Permit No. 11199, 1975 - Toshi Tokuyoshi, et al.). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""H"" 159+97), invert elevation 17.9 feet]. FS Date: 4/25/2013						

LM Start	4.73	Rating **	M	Issue No.	99 (cont)
LM End	4.73	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_12547_20319.jpg



LS- concrete distribution box near levee toe.

Photo 3 of 3 : UCIP_FA_2018_12547_20318.jpg



LS- power pole and a concrete distribution box near levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	4.79	Rating **	M	Issue No.	60
LM End	4.79	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.201402°	38.201402°
				-121.557108°	-121.557108°
DWR ID	DWR_RD0556_02_s_2018_60				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove cactus before more become established.					

Photo 1 of 1 : FA_2018_RD0556_19_60_20181003_00070.jpg



View of cactus on the land side slope (October 2018).

LM Start	4.82	Rating **	U	Issue No.	61
LM End	4.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.201002°	38.201002°
				-121.557170°	-121.557170°
DWR ID	DWR_RD0556_02_s_2018_61				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove bamboo.					

Photo 1 of 1 : FA_2018_RD0556_19_61_20180925_00021.jpg



Landside bamboo should be removed to allow inspection and access.

LM Start	4.94	Rating **	M	Issue No.	83
LM End	4.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.199282 °	38.199282 °
				-121.557835 °	-121.557835 °
DWR ID	DWR_RD0556_02_f_2018_83				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	4.95	Rating **	M	Issue No.	100
LM End	4.95	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.199133°	38.199133°
				-121.557939°	-121.557939°
DWR ID	20868				
Comment Code					
Inspector Comment					
FS_ID:12564 DS_ID:20868 EP_NO: 11191 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs to fix CMP riser. FIELD_STRUCT_DESC: 8-inch irrigation discharge pipe of an unknown material through the levee, 5.7 feet below the crown. Pump on the waterside (WS) slope. Gate valve on the WS berm. Siphon breaker and service pole on the landside (LS) slope. (Retention of an 8-inch pipe through the levee, 5.7 feet below the crown, a pump on the WS slope, a gate valve on the WS berm, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11191, 1975 - Pacific Fruit Exchange). [Additional Reference(s): DWR Levee Log]. FS Date: 4/25/2013					

LM Start	4.95	Rating **	M	Issue No.	100 (cont)
LM End	4.95	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_12564_20347.jpg



WS- pump house on levee slope.

Photo 2 of 3 : UCIP_FA_2018_12564_20346.jpg



WS- pump, pipe and gate valve in pump house.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	4.95	Rating **	M	Issue No.	100 (cont)	
LM End	4.95	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.199133°	38.199133°	
				-121.557939°	-121.557939°	
DWR ID	20868					
Comment Code						
Inspector Comment						
FS_ID:12564 DS_ID:20868 EP_NO: 11191 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs to fix CMP riser. FIELD_STRUCT_DESC: 8-inch irrigation discharge pipe of an unknown material through the levee, 5.7 feet below the crown. Pump on the waterside (WS) slope. Gate valve on the WS berm. Siphon breaker and service pole on the landside (LS) slope. (Retention of an 8-inch pipe through the levee, 5.7 feet below the crown, a pump on the WS slope, a gate valve on the WS berm, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11191, 1975 - Pacific Fruit Exchange). [Additional Reference(s): DWR Levee Log]. FS Date: 4/25/2013						

Photo 3 of 3 : UCIP_FA_2018_12564_20351.jpg



WS- closer look at pump, pipe and gate valve in pump house.

LM Start	5.08	Rating **	U	Issue No.	37
LM End	5.16	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.197407°	38.196378°
				-121.558950°	-121.559601°
DWR ID	DWR_RD0556_02_f_2017_37				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0556_19_37_20180925_00013.jpg



Remove large cactus to allow inspection and access to landside slope and toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	5.20	Rating **	C	Issue No.	63
LM End	5.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.195938 °	38.195938 °
				-121.559949 °	-121.559949 °
DWR ID	DWR_RD0556_02_s_2018_63				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree.					

No Photos

LM Start	5.21	Rating **	U	Issue No.	101	
LM End	5.21	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.195755 °	38.195755 °	
				-121.560078 °	-121.560078 °	
DWR ID	20869					
Comment Code						
Inspector Comment						
FS_ID:52733 DS_ID:20869 EP_NO: 11185 Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/12/2018 Pit on WS is covered with plywood. Water pump is running, no leaks detected. LS part of crossing was reconstructed. New pipe was installed after CMP riser to supply water to sand filters. Remains Urgent due to large pit on WS that needs to be backfilled. (O.Yakimov-DWR UCIP)04/25/2013 Large pit on levee berm. FIELD_STRUCT_DESC: 8-inch irrigation discharge pipe of an unknown material through the levee, 5.7 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. Siphon breaker, concrete box, and service pole on the landside (LS) slope. (Retention of an 8-inch pipe through the levee, 5.7 feet below the crown, a pump and a gate valve in a pump house on the WS slope, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11185, 1975 - R. Walter Langhart). [Additional Reference(s): DWR Levee Log]. FS Date: 7/13/2018						

Photo 1 of 3 : UCIP_FA_2018_52733_20364.jpg



WS- pump house on levee slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	5.21	Rating **	U	Issue No.	101 (cont)	
LM End	5.21	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.195755 °	38.195755 °	
				-121.560078 °	-121.560078 °	
DWR ID	20869					
Comment Code						
Inspector Comment						
FS_ID:52733 DS_ID:20869 EP_NO: 11185 Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/12/2018 Pit on WS is covered with plywood. Water pump is running, no leaks detected. LS part of crossing was reconstructed. New pipe was installed after CMP riser to supply water to sand filters. Remains Urgent due to large pit on WS that needs to be backfilled. (O.Yakimov-DWR UCIP)04/25/2013 Large pit on levee berm. FIELD_STRUCT_DESC: 8-inch irrigation discharge pipe of an unknown material through the levee, 5.7 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. Siphon breaker, concrete box, and service pole on the landside (LS) slope. (Retention of an 8-inch pipe through the levee, 5.7 feet below the crown, a pump and a gate valve in a pump house on the WS slope, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11185, 1975 - R. Walter Langhart). [Additional Reference(s): DWR Levee Log]. FS Date: 7/13/2018						

LM Start	5.21	Rating **	U	Issue No.	101 (cont)
LM End	5.21	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_52733_20363.jpg



WS- pipe daylight from the levee.

Photo 3 of 3 : UCIP_FA_2018_52733_20366.jpg



WS- electric conduit daylight near pump house.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	5.40	Rating **	M	Issue No.	31
LM End	5.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.193760 °	38.193445 °
				-121.562458 °	-121.562895 °
DWR ID	DWR_RD0556_02_s_2012_31				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Control the wild growth within the landscaping. This choice of plant has taken over the levee slope and shoulder making it imposible to view the slope and ground.					

Photo 1 of 1 : FA_2018_RD0556_19_31_20180925_00007.jpg



RD 556 Unit 2 levee mile 5.40-5.44 landside levee shoulder and slope looking downstream.

LM Start	5.45	Rating **	C	Issue No.	20
LM End	5.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.193391°	38.193391°
				-121.563159°	-121.563159°
DWR ID	DWR_RD0556_02_s_2012_20				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Cut up the fallen tree and remove it from the waterside levee section.					

No Photos

LM Start	5.49	Rating **	M	Issue No.	80
LM End	5.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.193012 °	38.192665 °
				-121.563762 °	-121.564712 °
DWR ID	DWR_RD0556_02_f_2018_80				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side N/A : Not Applicable		A : Acceptable		Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable		Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable		En : Enforcement	
		N : Not Inspected/Rated			
		C : Corrected			
		A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/02/2018 10/02/2018	David Julian

LM Start	5.64	Rating **	U	Issue No.	79
LM End	5.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.192237 °	38.192237 °
				-121.566368 °	-121.566368 °
DWR ID	DWR_RD0556_02_f_2018_79				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Two large burrow holes.					

Photo 1 of 1 : FA_2018_RD0556_19_79_20181003_00069.jpg



View looking upstream at burrow holes on land side slope. More than cubic feet of soil was removed between the two burrow holes (October 2018).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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